



Reducing Nutrients to Hydes Lake



Clean Water Funds: 2012

Clean Water Grant	\$32,600
Leveraged Funds*	\$25,000
Total Project Budget	\$57,600

* Leveraged Funds include required 25% local match

Target Water:
Hydes Lake

Project Sponsor:
Carver Soil and Water Conservation District

Grant Period:
January 2012—December 2013

Project Contact:
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C12-41 - Conservation Drainage

Project Narrative

Hydes Lake is the headwaters to Carver Creek and is known for its excellent fishery. However, the lake has elevated nutrient levels which lead to poor water quality. A clean up plan for Hydes Lake identified the need to reduce phosphorus loading by 81 percent from watershed sources.

The purpose of this project is to significantly reduce the phosphorus loading into Hydes Lake by installing three projects. The first project will install a bioreactor to treat 60 acres of agricultural land. The second project will identify options to treat high volumes of phosphorus laden water entering the lake from an adjacent sub-watershed. The third project will restore approximately 400 feet of sparsely vegetated shoreline. These projects are estimated to reduce phosphorus by 233 pounds per year. This is a significant fraction of the annual 388 pound phosphorus reduction that is needed.



Proposed Outcomes:

Project Outputs:

Installation of a bioreactor . - Hydes Lake

Installation of shoreline restorations on Hydes Lake. - Hydes Lake

Identify and install a water treatment structure between Hydes Lake and Patterson Lake. - Hydes Lake

Proposed Reductions:

233 lbs/year Phosphorus

Actual Outcomes:

Project in Progress

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